Title (en)

System for real-time volume rendering on thin clients via a render server

Title (de)

System für die Echtzeit-Volumenleistung auf Thin-Clients über einen Widergabeserver

Title (fr)

Système pour restitution de volume en temps réel sur des clients légers via un serveur de rendu

Publication

EP 2098994 A1 20090909 (EN)

Application

EP 08102257 A 20080304

Priority

EP 08102257 A 20080304

Abstract (en)

A method of server site rendering 3D images on a server computer coupled to a client computer wherein the client computer instructs a server computer to load data for 3D rendering and sends a stream of rendering parameter sets to the server computer, each set of rendering parameters corresponding with an image to be rendered; next the render computer renders a stream of images corresponding to the stream of parameter sets and the stream of images is compressed with a video compression scheme and sent from the server computer to the client computer where the client computer decompresses the received compressed video stream and displays the result in a viewing port.

IPC 8 full level

G06T 15/00 (2006.01); **G06T 15/08** (2011.01)

CPC (source: EP US)

G06T 15/005 (2013.01 - EP US); **G06T 15/08** (2013.01 - EP US); G06T 1/20 (2013.01 - EP US); G06T 2200/28 (2013.01 - EP US); G06T 2210/52 (2013.01 - EP US)

Citation (applicant)

US 2007188488 A1 20070816 - CHOI JUSTIN Y [US]

Citation (search report)
- [XY] WO 2008022282 A2 20080221 - VALDISERRI MICHAEL [US], et al
- [X] WO 0184501 A2 20011108 - MENTAL IMAGES GMBH & CO KG [DE]
- [A] US 5764235 A 19980609 - HUNT WILLIAM J [US], et al
- [Y] STEGMAIER S ET AL: "Widening the remote visualization bottleneck", IMAGE AND SIGNAL PROCESSING AND ANALYSIS, 2003. ISPA 2003. PROCEEDINGS OF THE 3RD INTERNATIONAL SYMPOSIUM ON ROME, ITALY SEPT. 18-20, 2003, PISCATAWAY, NJ, USA,IEEE, vol. 1, 18 September 2003 (2003-09-18), pages 174 - 179, XP010703583, ISBN: 978-953-184-061-3

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2098994 A1 20090909; EP 2098995 A2 20090909; EP 2098995 A3 20100714; EP 2098995 B1 20140409; US 2009225076 A1 20090910; US 8508539 B2 20130813

DOCDB simple family (application)

EP 08102257 A 20080304; EP 09152361 A 20090209; US 39342909 A 20090226